BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work : Construction of concrete roads to Sihi Neeru Rasthe and RCC drain at Kanaka Nagara in ward no:04 of Yelahanka Satellite Town Sub Division.

Estimated cost : Rs 30.00 Lakhs

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. **Earth work excavation** by manual means in **ordinary soil** involving an average **horizontal throw upto 2 meters** and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. (P.No.152 Item No. 19.1 of PWD SR 2013-14)								
	Removing silt in exisiting drain	**Cum**	1	62.00	0.45	0.40	11.16		
			2	115.00	0.45	0.40	41.40		
			2	20.00	0.45	0.40	7.20		
							59.76	**65.88**	**3937.00**
	Basic rate	61.00							
	Add 8% AW	4.88							
	Total	**65.88**							
2	KSRB 2-2.2 : **Earth work excavation for foundation of buildings,** water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, (P.No.5 It No. 2.4) 2013-14								
	For RCC drain at Kanakanagara	**Cum**	1	15.00	0.70	0.70	7.35		
			1	62.00	0.70	0.70	30.38		
	For road cut portion		1	62.00	1.00	0.25	15.50		
			1	15.00	1.00	0.25	3.75		
							56.98	**227.88**	**12985.00**
	Basic rate	211.00							
	Add 8% AW	16.88							
	Total	**227.88**							
3	KSRRB 300-45: **Scarifying stone metal crust 50mm to 100mm thick** with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, No.158/ Item No. 19.51/ PWD SR 2013-14								
		sqm	1	115.00	5.50		632.50		
			1	20.00	4.50		90.00		
	Basic rate	37.50					**722.50**	**40.50**	**29261.00**
	Add 8% AW	3.00							

	Total	40.50							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2,(P. No. 12 It No. 4.3 of PWD SR 2013-14)								
	For road cut portion	Cum	1	15.00	1.00	0.15	2.25		
			1	62.00	1.00	0.15	9.30		
	For road portion		1	115.00	5.40	0.15	93.15		
			1	20.00	4.50	0.15	13.50		
	For RCC drain		1	15.00	0.70	0.15	1.58		
	For culvert		1	3.50	1.20	0.25	1.05		
							120.83	**4290.84**	**518441.00**
	Basic rate	3973.00							
	Add 8% AW	317.84							
	Total	**4290.84**							
5	KSRB 4.2.2 : Providing and laying in position **Reinforced cement concrete of mix M20 with OPC cement** @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14								
	For RCC drain bottom	Cum	1	15.00	0.70	0.15	1.58		
			1	62.00	0.90	0.15	8.37		
	For culvert		1	3.50	0.90	0.25	0.79		
	For side wall		2	15.00	0.15	0.15	0.68		
			2	62.00	0.15	0.15	2.79		
			2	3.50	0.30	0.25	0.53		
			1	3.50	0.90	0.25	0.79		
							15.51	**5639.76**	**87473.00**
	Basic rate	5222.00							
	Add 8% AW	417.76							
	Total	**5639.76**							

6	providing and laying cement concrete using **20mm and down size granite jelly or ready mixed concrete for RCC** works laid in 15 cm thick layers and well compacted including vibrating curing and necessary steel or ply wood or plank centering and form work etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges)								
	For road concrete		1	68.00	3.00	0.10	20.40		
			1	15.00	3.30	0.10	4.95		
			1	88.00	4.00	0.10	35.20		
			1	62.00	5.50	0.10	34.10		
			1	115.00	5.40	0.10	62.10		
			1	20.00	4.50	0.10	9.00		
			1	110.00	4.20	0.10	46.20		
			1	105.00	4.10	0.10	43.05		
			1	70.00	4.10	0.10	28.70		
	Chikkabommasandra old village		1	150.00	3.60	0.10	57.00		
			1	108.00	3.80	0.10	41.04		
							381.74	**5323.32**	**2032124.00**
	Basic rate	4929.00							
	Add 8% AW	394.32							
	Total	**5323.32**							
7	KSRB 4.9.2:**Providing T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46.1/ PWD SR 2013-14								
		Qtl	Qty=15.51 x 100kg/cum				15.51		
	Basic rate	6834.00					**15.51**	**7380.72**	**114475.00**
	Add 8% AW	546.72							
	Total	**7380.72**							
8	KSRB 4-6.4 : **Providing and removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as **walls at any thickness,** attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ It No. 4.31/ PWD SR 2013-14								
		Sqm	4	15.00		0.70	42.00		
			4	62.00		0.70	173.60		
			4	3.50		0.80	11.20		
							226.80	**271.08**	**61481.00**
	Basic rate	251.00							
	Add 8% AW	20.08							
	Total	**271.08**							

9	Providing and fixing **Precast RCC Slabs** as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).								
		Sqm	1	62.00	0.90		55.80		
			1	15.00	0.70		10.50		
	Missing slab		1	40.00	0.90		36.00		
							102.30	**1245.00**	**127364.00**
10	**Lead for Disposal of Debris** shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 7.00 Km Average Weight of Earth 1.28 Ton/Cum (PWD SR 2010-11 P.118/I.17.1) Basic Rate Lead 1.28x2.0x 7 17.92 loading and unloading 62.20 80.12 /cum								
			Qty. Vide Item No. 1				**116.74**	**80.12**	**9353.00**
11	Miscellaneous and unforeseen charges							L.s	**3106.00**
							Total		**3000000.00**
	(Rupees Thirty lakhs only)								

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ward No 004

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Satellite Town Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Technical Sanction for Rs. 30.00 lakhs only
(Rs Thirty lakhs only)

Head... P 3055

CE/YNO/TS/29/14-15

29/14-15 03.09.14

AEE/JE TA SE (BTP) CE(BTP)

ADMINISTRATIVELY SANCTIONED FOR Rs 30.00 lakhs

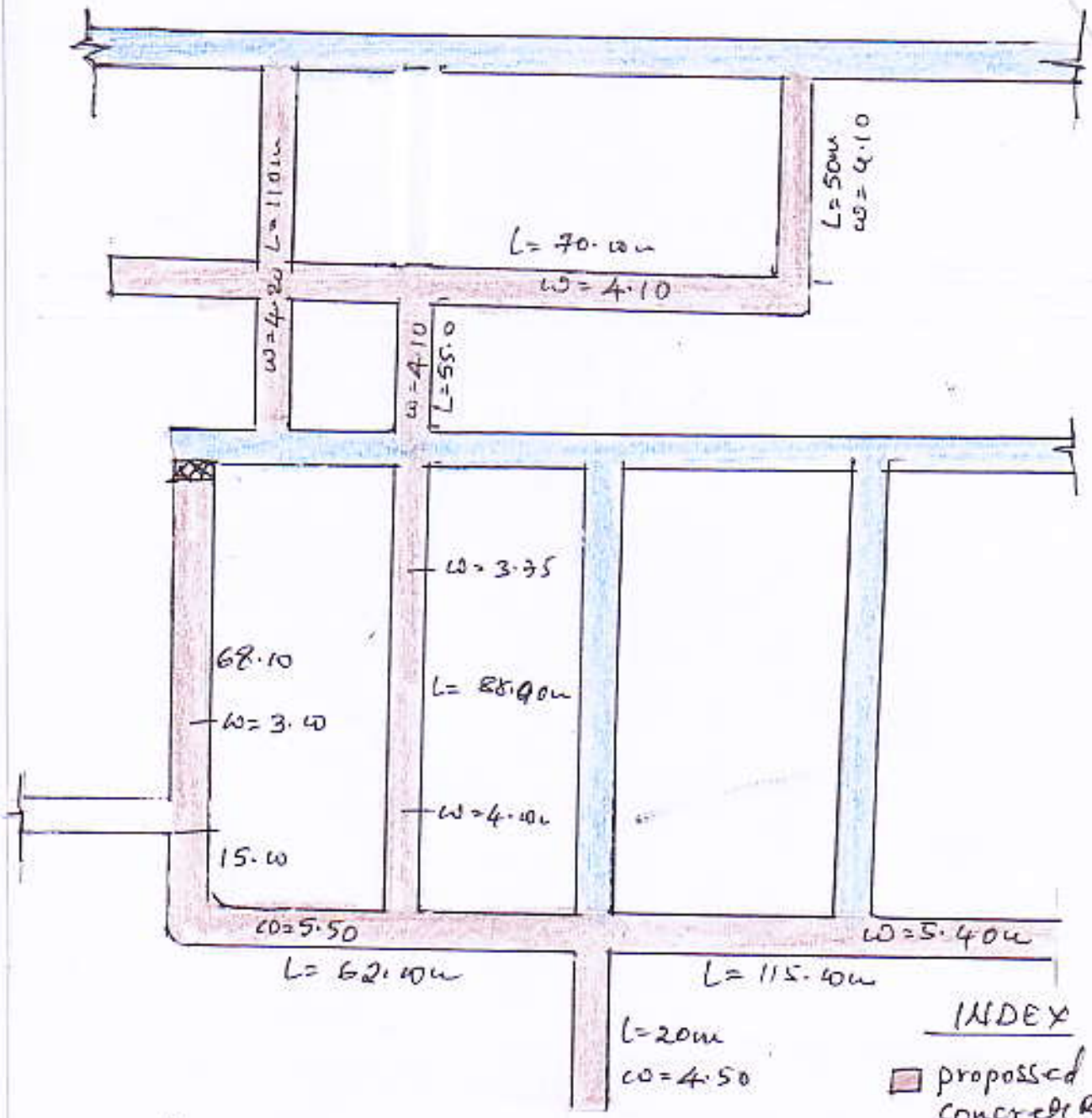
Rupees Thirty lakhs only

Under P. 3055

R... CE( )No.... S... conditions contained in enclosed memo EE( )No.... /dt.... Dt.... Estimate Sanctioned Addl Com (42) No. A2 / 1026/14-15 dated 3-9-2014 Rs 30.00 lakhs

Addl. Commissioner
(Yelahanka Zone)
BBMP, Bangalore-92

Construction of Concrete Roads to Sikineeru Rasthe and R.C.C. drain at Kanakanagara in ward No. 04 of YST Sub-Division.



Layout Map of Sikineeru Rasthe & Chikkabommasandra

K.M. Hulki